

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M99874
Date Received: 09/28/06
Date Extracted: 10/04/06
Date Analyzed: 10/04/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M99874, F&BI 609287
Lab ID: 609287-01 10x
Data File: 609287-01 10x.080
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	90	60	125

Analyte:	Concentration ug/L (ppb)
Chromium	1,040
Nickel	871
Copper	796
Zinc	46.9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M99874, F&BI 609287
Date Extracted:	10/04/06	Lab ID:	I6-398 mb
Date Analyzed:	10/04/06	Data File:	I6-398 mb.059
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	104	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<1

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 10/06/06

Date Received: 09/28/06

Project: Metro Self Monitor, PO# M99874, F&BI 609287

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY EPA METHOD 200.8**

Laboratory Code: 609193-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	13.1	10.6	21 hr	0-20
Nickel	ug/L (ppb)	3.54	3.24	9	0-20
Copper	ug/L (ppb)	2.97	2.34	24 a	0-20
Zinc	ug/L (ppb)	6.74	8.53	23 hr	0-20

Laboratory Code: 609193-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	13.1	108 b	50-150
Nickel	ug/L (ppb)	20	3.54	106	50-150
Copper	ug/L (ppb)	20	2.97	113	50-150
Zinc	ug/L (ppb)	50	6.74	104	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	117	70-130
Nickel	ug/L (ppb)	20	122	70-130
Copper	ug/L (ppb)	20	123	70-130
Zinc	ug/L (ppb)	50	104	70-130

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. The variability is attributed to sample inhomogeneity.

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
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e-mail: fbi@isomedia.com

October 6, 2006

DUPLICATE COPY

INVOICE # 06ACU1006-1

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M99874, F&BI 609287 - Results of testing
requested by Gerry Thompson for material submitted on September 28, 2006.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Amount Due	\$ 80.00

FEDERAL TAX ID #(b) (6)

609287

SAMPLE CHAIN OF CUSTODY

ME 09/28/06

AIP

Send Report To

GERARD Thompson

Company

Alaskan Copper Works

Address

628 S. Harbor St

City, State, ZIP

Seattle WA 98134

Phone #

206-382-8379

Fax #

206-382-4300

SAMPLERS (signature)

PROJECT NAME/NO.

metno SELF monitor

PO #

M99874

REMARKS

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☐ RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	For Cyt 2				
M99874	01	9/28/06	11:15	H2O	1											

Friedman & Bruya, Inc.
3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

G. Thompson

Nhan Phan

COMPANY

ACW

FBI

DATE

9/28/06

9/28/06

TIME

1:41pm

1:41

Samples received at 26 °C

AKC-000727

FRIEDMAN & BRUYA, INC.

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October 6, 2006

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on September 28, 2006 from the Metro Self Monitor, PO# M99874, F&BI 609287 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU1006R